

YOR920030573US1  
Amendment dated 12/20/2007

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The following is a complete listing of all claims in the application, with an indication of the status of each:

**Listing of claims:**

- 1           1. (currently amended) A method for executing an integration activity chain  
2           for on demand business process integration comprising the steps of:  
3                 receiving the integration activity's properties in a data string for  
4           execution from an event bus;  
5                 parsing events from ~~a~~the received data string, said data string  
6           optionally including an annotation specifying an action for integration;  
7                 controlling integration activity execution through consulting an on  
8           demand business collaboration ontology and an access control utility;  
9                 coordinating with an exception handler when there is a business  
10          exception which comes from integrated applications; and  
11                 performing integration activity execution by invoking an adaptation  
12          layers layer implementation.  
13                 wherein if said action is a new integration activity said adaptation  
14          layer implementation is responsive to said action specified by said annotation.
- 1           2. (currently amended) The method for executing an integration activity  
2           chain for on demand business process integration recited in claim 1, wherein  
3           the integration activity chain represents a set of integration activities in a pre-  
4           defined manner.
- 1           3. (currently amended) The method for executing an integration activity  
2           chain for on demand business process integration recited in claim 2, wherein  
3           the pre-defined manner is represented in ~~to~~a work flow document ~~and the said~~

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4        ad-hoc manner is the non-deterministic activities triggered by manually  
5        operation or by program code automatically in multi-step manner.

1        4. (currently amended) The method for executing an integration activity  
2        chain for on demand business process integration recited in claim 1, wherein  
3        the integration activity chain represents a set of non-deterministic activities in  
4        an ad-hoc manner triggered by manual operation or by program code  
5        automatically in a multi-step manner.

1        5. (currently amended) The method for executing an integration activity  
2        chain for on demand business process integration recited in claim 1, wherein  
3        the event bus comprises one of an XML string, plain text, binary data  
4        stream, or graphic user interface events.

1        6. (currently amended) The method for executing an integration activity  
2        chain for on demand business process integration recited in claim 1, wherein  
3        said integration activity's properties ~~are one or more of~~ the integration  
4        activity's name, description ~~on~~ of the integration activity, scheduled execution  
5        script, pre-integration activity, post-integration activity, and execution  
6        channel.

1        7. (currently amended) The method for executing an integration activity  
2        chain for on demand business process integration recited in claim 1, wherein  
3        said adaptation layers include adaptation components associated with business  
4        applications.

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1           8. (currently amended) The method for executing an integration activity  
2           chain for on demand business process integration recited in claim 7, wherein  
3           said business applications include Reliable File Transfer Protocol (RFTP).

1           9. (currently amended) The method for executing an integration activity  
2           chain for on demand business process integration recited in claim 7, wherein  
3           said business applications include File Transfer Protocol (FTP).

1           10. (withdrawn) A method for managing integration activity chain for on  
2           demand business process integration comprising the steps of:  
3                 storing integration activity annotation into integration activity  
4           ontology;  
5                 retrieving integration activity annotation from integration activity  
6           ontology;  
7                 adding new integration activity annotations without changing the  
8           existing integration activities' behaviors; and  
9                 removing existing integration activity annotations without changing  
10          the other integration activities' behaviors.

1           11. (withdrawn) The method for managing integration activity chain for on  
2           demand business process integration recited in claim 10, wherein the  
3           integration activity annotation includes links to different applications,  
4           condition relationship, activity name, security handler, source, destination,  
5           and linkage between integration activities.

1           12. (withdrawn) A method for integrating integration activity chain with  
2           existing business applications for on demand business process integration  
3           comprising the steps of:

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4                   providing a uniform interface for connecting legacy business  
5                   applications with the existing business collaboration solutions; and  
6                   integrating an access control utility that conducts security checking.

1           13. (withdrawn) The method for integrating integration activity chain with  
2           existing business applications for on demand business process integration  
3           recited in claim 12, wherein said uniform interface is represented by Web  
4           services definition language (WSDL).

1           14. (withdrawn) The method for integrating integration activity chain with  
2           existing business applications for on demand business process integration  
3           recited in claim 12, wherein said access control utility checks the  
4           authorization of all access to the resources or applications integrated and  
5           managed through an integration activity manager ensuring all access are  
6           authorized.

1           15. (withdrawn) A signal-bearing medium tangibly embodying a program of  
2           machine-readable instructions executable by a digital processing apparatus to  
3           perform a method of managing a set of integration activities, said method  
4           comprising the steps of:  
5                   executing integration activity chain for on demand business process  
6           integration;  
7                   managing integration activity chain for on demand business process  
8           integration; and  
9                   integrating integration activity chain with existing business  
10          applications for on demand business process integration.

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- 1           16. (withdrawn) A data processing system for managing integration activity  
2 chain for on demand business process integration comprising:  
3           a database storing integration activity annotation into integration  
4 activity ontology; and  
5           an action manager retrieving integration activity annotation from  
6 integration activity ontology, adding new integration activity annotations  
7 without changing the existing integration activities' behaviors, and removing  
8 existing integration activity annotations without changing the other  
9 integration activities' behaviors.
- 1           17. (withdrawn) The data processing system for managing integration  
2 activity chain for on demand business process integration recited in claim 16,  
3 wherein the integration activity annotation includes links to different  
4 applications, condition relationship, activity name, security handler, source,  
5 destination, and linkage between integration activities.
- 1           18. (withdrawn) The data processing system for managing integration  
2 activity chain for on demand business process integration recited in claim 16,  
3 further comprising a uniform interface connecting legacy business  
4 applications with existing business collaboration solutions, and wherein said  
5 action manager includes an access control utility that conducts security  
6 checking.
- 1           19. (withdrawn) The data processing system for integrating integration  
2 activity chain for on demand business process integration recited in claim 16,  
3 wherein said uniform interface is represented by Web services definition  
4 language (WSDL).

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- 1           20. (withdrawn) The data processing system for integrating integration
- 2           activity chain for on demand business process integration recited in claim 16,
- 3           wherein said access control utility checks the authorization of all access to the
- 4           resources or applications integrated and managed through an integration
- 5           activity manager ensuring all access are authorized.